# The PHENIX CENTRAL MAGNET OPERATION INSTRUCTIONS

**procedure name**

## PHENIX Procedure No. PP-2.5.1.3-01

**Revision: C** **Date: 1/25/2013**

### Hand Processed Changes

| HPC No. | Date | Page Nos. | Initials |
|---|---|---|---|
| • *Typo: Under 3.0 Prerequisites, PHENIX Procedure No. PP-2.5.1.3-01, "Procedure for Preparation of Central Magnet for Operation" should be written as PHENIX Procedure No. PP-2.5.1.3-02, "Procedure for Preparation of Central Magnet for Routine Operation"* | | | |
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### Approvals

1/29/13 1/31/13

PHENIX S E & I Date Cognizant Scientist/Engineer /Activity Manager Date

1-30-13

PHENIX QA/Safety Date

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## REVISION CONTROL SHEET

| LETTER | DESCRIPTION | DATE | WRITTEN BY | APPROVED BY | Current Oversight |
|---|---|---|---|---|---|
| A | First Issue | 03/02/2000 | n/a | J. Haggerty, W. Lenz & (unintelligible) | n/a |
| B | Reviewed and found to be OK as is | 11/13/2009 | D. Lynch | P. Giannotti, D. Lynch, R. Pisani | P. Giannotti |
| C | Reviewed and found to be OK as is | 1/25/2013 | D. Lynch | P. Giannotti, D. Lynch, R. Pisani | P. Giannotti |

# Procedure for Turning on the PHENIX Central Magnet

## 1.0 Purpose and Scope

The purpose of this procedure is to turn on and ramp the PHENIX Central Magnet (CM) to the desired field.

## 2.0 Responsibilities

The PHENIX shift leader is responsible for conducting the procedure.

## 3.0 Prerequisites

The PHENIX Run Coordinator shall have completed the requirements of PHENIX Procedure No. PP-2.5.1.3-01, "Procedure for Preparation of Central Magnet for Operation."

## 4.0 Precautions

None

## 5. 0 Procedure

5.1 The PHENIX shift leader shall call the main control room to ask for approval to excite or change the settings of the PHENIX magnet. The power level should be given, namely 700 kW for full field or 175 kW for half field.

5.2 The PHENIX shift leader shall then use the PHENIX magnet control page to set the ramp speed followed by the current values for the magnet power supply. Copies of the control page giving the settings for full and half field have been given to all PHENIX Magnet Operators.

5.3 The PHENIX shift leader shall then excite the coils.

## 6.0 Documentation

None

## 7.0 References

None

## 8.0 Attachments

None